



Taxonomic paper

# Checklist of British and Irish Hymenoptera - Evanioidea

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## Introduction

Abbreviations, rationale for species inclusion and additional information are given in the introductory article for the series. This article is the first in a series of 13 checklist sections covering the Hymenoptera of the British Isles. For each genus and species the original combination and a list of synonyms is provided under the heading 'nomenclature'.

A corresponding up-to-date checklist for Evanioidea is maintained on the [Hymenoptera of the British Isles site](#).

Distribution data for the Evanioidea are taken from Crosskey (1951), with additional references given under notes for each taxon. This is a small superfamily of three extant families, but particularly poorly represented in northern Europe. The Evanidae (sometimes referred to as 'ensign wasps') are, where known, parasitoids/predators of cockroach oothecae (Crosskey 1951; Brown 1973) and are morphologically very distinct from the remaining families. Whilst rather similar in appearance, the Aulacidae and Gasteruptiidae (Fig. 1) differ markedly in biology, with the single British aulacid, *Aulacus striatus* (Jurine), being a koinobiont endoparasitoid of Xiphydriidae larvae (see E.R. Skinner & W.G. Thompson's 1960 film, 'The Alder Woodwasp and its Insect Enemies', distributed by World Educational Films: <http://worldeducationalfilms.com/the-alder-woodwasp-and-its-insect-enemies/>) whilst *Gasteruptia* species are essentially predators and cleptoparasites of solitary bee larvae (Malyshev 1964).



Figure 1.

Male *Gasteruption jaculator* (Linnaeus) (Wilmslow, Cheshire) (courtesy of A.M. Broome).

## Evanioidea

### Family Aulacidae Shuckard, 1841

Notes: Taxonomy follows Smith (2001).

#### Genus *Aulacus* Jurine, 1807

##### Nomenclature:

*DISPHAERON* Dahlbom, 1837

*AULACINUS* Westwood, 1868

*PAMMEGISCHIA* Provancher, 1882

*DISAULACINUS* Kieffer, 1910

*MICRAULACINUS* Kieffer, 1910

*NEURAUULACINUS* Kieffer, 1910

*PARAFOENUS* Kieffer, 1910

*PYCNAULACUS* Cushman, 1929

#### *Aulacus striatus* Jurine, 1807

##### Nomenclature:

*arcticus* Dahlbom, 1837

*exaratus* Ratzeburg, 1852



**Distribution:** England.

## **Family Evaniidae Latreille, 1802**

**Notes:** Taxonomy follows Deans (2005).

## **Genus *Evania* Fabricius, 1775**

### ***Evania appendigaster* (Linnaeus, 1758)**

#### **Nomenclature:**

*Ichneumon appendigaster* Linnaeus, 1758

*niger* (de Geer, 1773, *Ichneumon*)

*laevigata* Olivier, 1792

*unicolor* Say, 1824

*desjardinsi* Blanchard, 1840

*affinis* Le Guillou, 1841

*cubae* Guérin-Ménéville, 1844

*peringueyi* Cameron, 1906

**Notes:** # Presumably an introduction to Britain as it parasitises the oothecae of non-native synanthropic cockroaches (Blattidae). Crosskey (1951) could find no locality data for British specimens and there are no relevant specimens in NHM.

## **Genus *Brachygaster* Leach, 1830**

### ***Brachygaster minutus* (Olivier, 1792)**

#### **Nomenclature:**

*Evania minuta* Olivier, 1792

*fulvipes* (Curtis, 1829, *Evania*)

*rufipes* Brullé, 1846 preocc.

*brullei* (Westwood, 1851, *Evania*)

*schlettereri* Kieffer, 1912

**Distribution:** England.

## **Family Gasteruptiidae Ashmead, 1890**

**Notes:** Synonymic data mostly from [Fauna Europaea](#).

## Genus *Gasteruption* Latreille, 1796

### Nomenclature:

*FOENUS* Fabricius, 1798

*RHYDINOFOENUS* Bradley, 1909

*DOLICHOFOENUS* Kieffer, 1910

*TRICHOFOENUS* Kieffer, 1910

*PLUTOFOENUS* Kieffer, 1911

## *Gasteruption assectator* (Linnaeus, 1758)

### Nomenclature:

*Ichneumon assectator* Linnaeus, 1758

*affectator* misspelling

*annularis* (Geoffrey 1785, *Ichneumon*)

*incertus* (Cresson 1864, *Foenus*)

*montanus* (Cresson 1864, *Foenus*)

*arca* (Couper 1870, *Foenus*)

*borealis* (Thomson 1883, *Foenus*)

*fumipennis* (Thomson 1883, *Foenus*)

*nigritarsis* (Thomson 1883, *Foenus*)

*nitidulum* Schletterer, 1885

*brevicauda* Kieffer 1904

*micrura* Kieffer 1904

*nevadense* Kieffer 1904

*nigropectus* Kieffer, 1904

*bakeri* Kieffer 1910

*canadensis* (Kieffer 1910, *Trichofoenus*)

*abeillei* Kieffer 1912

*aberrans* Strand, 1912

*breviterebrae* (Watanabe 1934, *Trichofoenus*)

*utahensis* Townes 1950

*margotae* Madl 1987

**Distribution:** England, Wales, Ireland.

***Gasteruption jaculator* (Linnaeus, 1758)****Nomenclature:**

*Ichneumon jaculator* Linnaeus, 1758  
*granulithorax* (Tournier, 1877, *Foenus*)  
*obliteratus* (Abeille de Perrin, 1879, *Foenus*)  
*rugidorsus* (Costa, 1884, *Foenus*)  
*thomsoni* Schletterer, 1885

**Distribution:** England.

***Gasteruption laticeps* (Tournier, 1877)****Nomenclature:**

*Foenus laticeps* Tournier, 1877  
*foveolatum* Schletterer, 1889  
*foveolum* Szépligeti, 1903

***Gasteruption minutum* (Tournier, 1877)****Nomenclature:**

*Foenus minutum* Tournier, 1877  
*longigena* (Thomson, 1883, *Foenus*)

**Distribution:** England, Wales (Alexander 1983).

***Gasteruption pedemontanum* (Tournier, 1877)****Nomenclature:**

*Foenus pedemontanum* Tournier, 1877  
*pedmontanum* misspelling  
*terrestre* (Tournier, 1877, *Foenus*)  
*trifossulatum* Kieffer, 1904

**Distribution:** England.

## References

- Alexander KNA (1983) *Gasteruption minutum* (Tournier) (Hym., Gasteruptiidae) on Anglesey. Entomologist's Monthly Magazine 119: 150.
- Brown VK (1973) The biology and development of *Brachygaster minutus* Olivier (Hymenoptera: Evaniidae), a parasite of the oothecae of *Ectobius* spp. (Dictyoptera: Blattidae). Journal of Natural History 7 (6): 665-674. DOI: [10.1080/00222937300770561](https://doi.org/10.1080/00222937300770561)
- Crosskey RW (1951) The morphology, taxonomy, and biology of the British Evanioidea (Hymenoptera). Transactions of the Royal Entomological Society of London 102: 247-301. DOI: [10.1111/j.1365-2311.1951.tb00749.x](https://doi.org/10.1111/j.1365-2311.1951.tb00749.x)
- Deans A (2005) Annotated catalog of the world's ensign wasp species (Hymenoptera: Evaniidae). Contributions of the American Entomological Institute 34 (1): 1-164.
- Malyshev SI (1964) A comparative study of the life and development of primitive gasteruptiids (Hymenoptera, Gasteruptiidae). Entomological Review 43: 267-271.
- Smith DR (2001) World catalog of the family Aulacidae (Hymenoptera). Contributions of the American Entomological Institute 4: 263-319.